ELSEVIER

Wear 193 (1996) 271

WEAR

Author Index of Volume 193

Aksoy, M., 248

Bell, T., 235
Bloyce, A., 235
Blum, F.D., 180, 199

Cann, P.M., 261
Caporiccio, G., 261
Chen, J.D., 38
Chen, Y.-T., 48
Chern Lin, J.H., 38
Childs, T.H.C., 31
Cowpland, W., 126

Delaey, L., 78
Dharani, L.R., 180, 199
Ding, X., 66
Dunkin, J.E., 186

El-Bahloul, A.M.M., 146
Engel, P.A., 114
Evin, E., 248

Fan Aiming, 73
Frene, J., 155
Froyen, L., 78

Gee, M.G., 133
Girish, D.V., 242
Gopal, P., 180, 199

Hutchings, I.M., 105

Iwasa, Y., 218

Jain, V.K., 226
Jennett, N.M., 133
Ju, C.P., 38
Junghans, R., 253

Kameswara Rao, C.V.S., 198
Karamış, M.B., 248
Kim, D.E., 186
Kim, H.-J., 8
Kim, T.J., 207
Krishnamurthy, S., 242
Kumar, A., 25
Kweon, Y.-G., 8

Li, T.-S., 163
Liao, Y.S., 16
Lin, J.Z., 1
Lin, W., 66
Liu, W., 99
Liu, W.-M., 163
Liu, Z., 31
LLorca, J., 169
Long Jinming, 73
Lu, X.-C., 48

Martín, A., 169
Martínez, M.A., 169
Marx, S., 253
Maspeyrot, P., 155
Mayuram, M.M., 242
Michael, P.C., 218
Middleton, D.E.S., 126
Mishra, S.S., 25

Niu, X.P., 78

Peytour, C., 78
Piccigallo, B., 56

Rabinowicz, E., 218
Ren, L.-Q., 48

Shen, T.Y., 1
Shen, W.-C., 163
Shi, Z., 235
Shipway, P.H., 105
Shiue, R.H., 16
Shukla, D.S., 226
Song, X.Q., 1
Spikes, H.A., 261
Sridhar, M.R., 91
Sun, Y., 235

Tao Ziyun, 73
Tong, J., 48

Verma, A.P., 198
Vincent, B., 155
Vishwanath, B., 198

Wan, Y., 99
Wen, S.-Z., 48

Xue, Q., 66, 99

Yang, D., 66
Yovanovich, M.M., 91

Zeng, J., 207
Zhang, X., 66
Zhang, Z.-Z., 163
Zhao, J.F., 1
Zhao, J.-Z., 163
Zhao, Z., 114

Elsevier Science S.A.

ELSEVIER

Wear 193 (1996) 273–276

WEAR

Subject Index of Volume 193

Abrasion and friction wear
wettability, soil adhesion, abrasion and friction wear of PTFE(+ PPS) + Al_2O_3 composites, 48
Abrasive
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Additive
additives for fluorosilicone oils at high temperature, 261
Alumina
high resolution characterisation of tribochemical films on alumina, 133
Aluminium alloys
fretting wear of mechanically alloyed Al–Fe and Al–Fe–Mn alloys, 78
wear of SiC-reinforced Al–matrix composites in the temperature range 20–200 °C, 169
Aluminium bronze
unlubricated rolling–sliding wear mechanisms of complex aluminium bronze against steel, 235
Aluminum
effects of diol compounds on the friction and wear of aluminum alloy in a lubricated aluminum-on-steel contact, 99
Antioxidant
additives for fluorosilicone oils at high temperature, 261
Anti-seize behaviour
study of the EP activity of water-soluble inorganic metallic salts for aqueous cutting fluids, 226
Antiwear
additives for fluorosilicone oils at high temperature, 261
Austenite
the effects of retained austenite on dry sliding wear behavior of carburized steels, 8

Bills
the friction of currency bills, 126
Boundary lubrication
effects of diol compounds on the friction and wear of aluminum alloy in a lubricated aluminum-on-steel contact, 99
thermal activation in boundary lubricated friction, 218
Brake linings
hybrid phenolic friction composites containing Kevlar® pulp. Part II. Wear surface characteristics, 180
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199
Brittle material
the rôle of particle properties in the erosion of brittle materials, 105

Carbides
carbide tool wear mechanism in turning of Inconel 718 superalloy, 16
Case depth
surface capacity of gears of circular-arc tooth-profile, 146
Case hardness
surface capacity of gears of circular-arc tooth-profile, 146

Elsevier Science S.A.

Cavitation
cavitation in dynamically loaded journal bearings using mobility method, 155
Centrifugal friction apparatus
measurement of static friction coefficient between flat surfaces, 186
Ceramics
the rôle of particle properties in the erosion of brittle materials, 105
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Composites
effect of humidity on the tribological behavior of carbon-carbon composites, 38
wettability, soil adhesion, abrasion and friction wear of PTFE(+ PPS) + Al_2O_3 composites, 48
Computation
research on reducing erosion by adding ribs on the wall in particulate two-phase flows, 1
Corrosion wear
an investigation of the corrosive wear of stainless steels in aqueous slurries, 73
Currency
the friction of currency bills, 126
Cutting
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Cutting fluid
study of the EP activity of water-soluble inorganic metallic salts for aqueous cutting fluids, 226

Delrin disc
impact of Delrin disc: lubricated and dry contacts, 114
Diol compounds
effects of diol compounds on the friction and wear of aluminum alloy in a lubricated aluminum-on-steel contact, 99
Double mechanical alloying
fretting wear of mechanically alloyed Al–Fe and Al–Fe–Mn alloys, 78
Dry sliding
the influence of TiC, CaF_2 and MnS additives on friction and lubrication of sintered high speed steels at elevated temperature, 31
friction and wear of highly stressed thermoplastic bearings under dry sliding conditions, 253
Dual-phase
an evaluation of the wear behaviour of a dual-phase low-carbon steel, 248
Dynamic characteristics
stability of a rigid rotor in turbulent hydrodynamic worn journal bearings, 25

EHL
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56
Elongation
an evaluation of the wear behaviour of a dual-phase low-carbon steel, 248

Engine
cavitation in dynamically loaded journal bearings using mobility method, 155
EP activity
study of the EP activity of water-soluble inorganic metallic salts for aqueous cutting fluids, 226
Erosion
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Erosion–corrosion
an investigation of the corrosive wear of stainless steels in aqueous slurries, 73
Experiment
research on reducing erosion by adding ribs on the wall in particulate two-phase flows, 1

Fatty acids
thermal activation in boundary lubricated friction, 218
Ferrite ductility
an evaluation of the wear behaviour of a dual-phase low-carbon steel, 248
Film
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199
Film formation
hybrid phenolic friction composites containing Kevlar® pulp. Part II. Wear surface characteristics, 180
Flat surfaces
measurement of static friction coefficient between flat surfaces, 186
Fluorosilicone
additives for fluorosilicone oils at high temperature, 261
Fretting
fretting wear of mechanically alloyed Al–Fe and Al–Fe–Mn alloys, 78
Friction
effect of humidity on the tribological behavior of carbon-carbon composites, 38
the friction of currency bills, 126
high resolution characterisation of tribochemical films on alumina, 133
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199
Frictional surface
the tribological characteristics of JS material under lubrication of oil, 163
Friction and wear
the tribological characteristics of JS material under lubrication of oil, 163
effect of resin modification on friction and wear of glass phenolic composites, 198
Friction coefficient
measurement of static friction coefficient between flat surfaces, 186

Galerkin method
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56
Gears
surface capacity of gears of circular-arc tooth-profile, 146
Glass
the rôle of particle properties in the erosion of brittle materials, 105
Glass woven roving
effect of resin modification on friction and wear of glass phenolic composites, 198
Grain boundary diffusion
carbide tool wear mechanism in turning of Inconel 718 superalloy, 16

Hardness
empirical methods to predict Vickers microhardness, 91
the rôle of particle properties in the erosion of brittle materials, 105
High temperature
wear of SiC-reinforced Al–matrix composites in the temperature range 20–200 °C, 169
High temperature performance
additives for fluorosilicone oils at high temperature, 261
High temperature thermoplastics
friction and wear of highly stressed thermoplastic bearings under dry sliding conditions, 253
Humidity
effect of humidity on the tribological behavior of carbon-carbon composites, 38
Hybrid composites
hybrid phenolic friction composites containing Kevlar® pulp. Part II. Wear surface characteristics, 180
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199
Hydrodynamic lubrication
cavitation in dynamically loaded journal bearings using mobility method, 155

Impact wear
impact of Delrin disc: lubricated and dry contacts, 114
Indentation size
empirical methods to predict Vickers microhardness, 91
Inorganic metal salts
study of the EP activity of water-soluble inorganic metallic salts for aqueous cutting fluids, 226

Jet
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Journal bearings
cavitation in dynamically loaded journal bearings using mobility method, 155
JS material
the tribological characteristics of JS material under lubrication of oil, 163

Kevlar®
hybrid phenolic friction composites containing Kevlar® pulp. Part II. Wear surface characteristics, 180
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199

Low load
measurement of static friction coefficient between flat surfaces, 186
Low temperature
thermal activation in boundary lubricated friction, 218

Martensite proportion
an evaluation of the wear behaviour of a dual-phase low-carbon steel, 248
Metal–matrix composites
wear of SiC-reinforced Al–matrix composites in the temperature range 20–200 °C, 169
Mobility method
cavitation in dynamically loaded journal bearings using mobility method, 155
Modeling
an erosion model of polycrystalline ceramics in abrasive waterjet cutting, 207
Mo ion implantation
characteristics of the chemical reaction between pure iron implanted with molybdenum ion and S-containing lubricating oil additive, 66

Newton–Raphson method
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56
Non-circular journal bearings
stability of a rigid rotor in turbulent hydrodynamic worn journal bearings, 25
Non-Newtonian lubricant
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56

Oil lubrication
the tribological characteristics of JS material under lubrication of oil, 163

Paper
the friction of currency bills, 126
Particle properties
the rôle of particle properties in the erosion of brittle materials, 105
Particulate two-phase flow
research on reducing erosion by adding ribs on the wall in particulate two-phase flows, 1
Personal computer
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56
Phenolic composites
effect of resin modification on friction and wear of glass phenolic composites, 198
Plain bearings
friction and wear of highly stressed thermoplastic bearings under dry sliding conditions, 253
PTFE
wettability, soil adhesion, abrasion and friction wear of PTFE(+ PPS) + Al_2O_3 composites, 48
Pure iron
characteristics of the chemical reaction between pure iron implanted with molybdenum ion and S-containing lubricating oil additive, 66

Reducing erosion
research on reducing erosion by adding ribs on the wall in particulate two-phase flows, 1
Resin modification
effect of resin modification on friction and wear of glass phenolic composites, 198
Rib-Welding wall
research on reducing erosion by adding ribs on the wall in particulate two-phase flows, 1
Rolling–sliding wear
unlubricated rolling–sliding wear mechanisms of complex aluminium bronze against steel, 235

S-containing additive
characteristics of the chemical reaction between pure iron implanted with molybdenum ion and S-containing lubricating oil additive, 66
SEM and EPMA
the tribological characteristics of JS material under lubrication of oil, 163
Shot peening
surface integrity studies on shot-peened thermal-treated En 24 steel spur gears, 242
Sintered high speed steels
the influence of TiC, CaF_2 and MnS additives on friction and lubrication of sintered high speed steels at elevated temperature, 31
Sliding wear
the effects of retained austenite on dry sliding wear behavior of carburized steels, 8
Soil adhesion
wettability, soil adhesion, abrasion and friction wear of PTFE(+ PPS) + Al_2O_3 composites, 48
Solid lubricants
the influence of TiC, CaF_2 and MnS additives on friction and lubrication of sintered high speed steels at elevated temperature, 31
Spur gears
surface integrity studies on shot-peened thermal-treated En 24 steel spur gears, 242
Stability analysis
stability of a rigid rotor in turbulent hydrodynamic worn journal bearings, 25
Stainless steel
an investigation of the corrosive wear of stainless steels in aqueous slurries, 73
Static friction
measurement of static friction coefficient between flat surfaces, 186
Steel
the effects of retained austenite on dry sliding wear behavior of carburized steels, 8
Superalloys
carbide tool wear mechanism in turning of Inconel 718 superalloy, 16
Surface integrity
surface integrity studies on shot-peened thermal-treated En 24 steel spur gears, 242
Surface melting
unlubricated rolling–sliding wear mechanisms of complex aluminium bronze against steel, 235

Thermal activation
thermal activation in boundary lubricated friction, 218
Thermal effects
cavitation in dynamically loaded journal bearings using mobility method, 155
Thermal elastohydrodynamic lubrication
a fast method for the numerical solution of thermal-elastohydrodynamic lubrication problems, 56
Tool steel
empirical methods to predict Vickers microhardness, 91
Tool wear mechanism
carbide tool wear mechanism in turning of Inconel 718 superalloy, 16
Tooth load
surface capacity of gears of circular-arc tooth-profile, 146
Tribochemical films
high resolution characterisation of tribochemical films on alumina, 133
Turbulent regime
stability of a rigid rotor in turbulent hydrodynamic worn journal bearings, 25

Vickers microhardness
empirical methods to predict Vickers microhardness, 91

Wear
effect of humidity on the tribological behavior of carbon-carbon composites, 38
characteristics of the chemical reaction between pure iron implanted with molybdenum ion and S-containing lubricating oil additive, 66
high resolution characterisation of tribochemical films on alumina, 133
hybrid phenolic friction composites containing Kevlar® pulp. Part II. Wear surface characteristics, 180
hybrid phenolic friction composites containing Kevlar® pulp. Part I. Enhancement of friction and wear performance, 199
Wear and friction
study of the EP activity of water-soluble inorganic metallic salts for aqueous cutting fluids, 226
Wear mechanism
impact of Delrin disc: lubricated and dry contacts, 114
unlubricated rolling–sliding wear mechanisms of complex aluminium bronze against steel, 235

Wear resistance
the effects of retained austenite on dry sliding wear behavior of carburized steels, 8
fretting wear of mechanically alloyed Al–Fe and Al–Fe–Mn alloys, 78
an evaluation of the wear behaviour of a dual-phase low-carbon steel, 248
Wettability
wettability, soil adhesion, abrasion and friction wear of PTFE(+ PPS) + Al_2O_3 composites, 48
Worn journal bearings
stability of a rigid rotor in turbulent hydrodynamic worn journal bearings, 25